California Monthly Climate Summary
July 2006

Summary

July 2006 ended up being one of the hottest months on record. For the city of Los Angeles, July 2006 was the hottest July since records started being kept back in 1877. Temperatures cleared 100 degrees Fahrenheit over most of the state and in many placed exceeded 110 degrees Fahrenheit. The peak of the heat wave occurred on July 22 and 23. In addition, high humidity values led to record highs for nighttime low temperatures. Extreme precipitation hit the state as well with thunderstorms dropping heavy rain and hail in the Sierra Nevada and southern regions of the state. Examples of such extreme precipitation include the nickel sized hail that fell in and around Quincy on the 8th of July and the 2.10 inches of precipitation that fell at Hockett Meadow on July 20th.

The April-July runoff season has ended. Natural runoff at 24 sites in California is given in a table below. All 24 sites had spring runoff totals greater than the historical mean and in the case of the Cosumnes River set a new historical maximum. Regional Snowpack Plots depict the spring melt for the north, central and southern mountain regions in the state.

The El Nino/Southern Oscillation could be moving towards an El Nino episode. Equatorial sea surface temperatures are starting to show positive anomalies (warmer than normal values). ENSO neutral or weak El Nino conditions are expected for the rest of the year. Further discussion can be found at http://www.cpc.ncep.noaa.gov/products/analysis_monitoring/enso_advisory/. ENSO conditions along with current trends indicate a warmer than average remainder of summer for California. Precipitation in areas that receive summer precipitation is likely to be below normal. Long-range precipitation and temperature outlook plots can be found at: http://www.wrcc.dri.edu/longrang/page20607.gif. General weather information of interest can be found at http://www.noaawatch.gov/.

For anomaly information please see http://www.wrcc.dri.edu/anom/cal_anom.html.

Other Climate Summaries

California Climate Watch (DRI)
Golden Gate Weather Service Climate Summary
NOAA Monthly State of the Climate Report (June)

Statewide Extremes

High Temperature – 125 deg F (Fountain Springs, Kern River)
Low Temperature - 27 deg F (Charlotte Lake, Kings River)
High Precipitation – Hockett Meadow (Tulare Basin) 3.73 inches
Low Precipitation –0 inches (many sites)

Statewide Precipitation Statistics

Hydrologic Region	Region Weight	Basins Reporting			Stations Reporting			Percent of Historic Average	
		Basins	**July**	**Oct-July**	**Stations**	**July**	**Oct-July**	**July**	**Oct-July**
NORTH COAST	0.27	5	4	4	19	9	7	80.1%	160.0%
SAN FRANCISCO BAY	0.03	2	2	2	6	4	4	0%	160.0%
CENTRAL COAST	0.06	3	3	3	11	5	5	58.3%	140.0%
SOUTH COAST	0.06	3	3	3	15	12	9	212.5%	72.0%
SACRAMENTO RIVER	0.26	5	5	5	43	19	18	4.0%	155.0%
SAN JOAQUIN RIVER	0.12	6	5	5	25	16	16	148.1%	143.0%
TULARE LAKE	0.07	5	4	4	28	20	18	303.7%	130.0%
NORTH LAHONTAN	0.04	3	3	3	14	8	8	53.6%	141.0%
SOUTH LAHONTAN	0.06	3	2	2	15	7	6	617.8%	129.0%
COLORADO RIVER	0.03	1	1	1	6	3	3	26.3%	58%
STATEWIDE WEIGHTED AVERAGE	1.00	36	32	32	182	103	94	117.93%	142.40%

Statewide Mean Temperature Data by Hydrologic Region (degrees F)

Hydrologic Region	No. Stations	Minimum	Average	Maximum
North Coast	30	47.7	71.5	99.4
SF Bay	19	53.8	73.3	96.2
Central Coast	32	53.4	68.4	88.4
South Coast	70	59.1	78.3	103.5
Sacramento	86	52.4	75.7	99.7
San Joaquin	76	55.7	75.2	96.1
Tulare Lake	21	45.1	66.4	89.4
North Lahontan	28	42.7	63.8	84.3
South Lahontan	23	53.6	74.0	93.7
Colorado River	24	77.9	93.8	109.1
Statewide Weighted Average	409	52.0	73.5	97.2

April through July Runoff Full Natural Flow Values

Monthly FNF	values in thousand acre-ft				
River Basin	**A-J**	**Hist Avg**	**Hist Max**	**% Avg**	**% Max**
Trinity, Lewiston	**1427**	660	1593	216%	90%
Sacramento at Shasta Lk	**760**	299	711	254%	107%
McCloud at Shasta Lake	**675**	400	850	169%	79%
Pit River at Shasta Lake	**1397**	1090	2098	128%	67%
Inflow to Shasta	**3421**	1849	3525	185%	97%
Sacramento, Bend	**5000**	2521	5075	198%	99%
Feather, Oroville	**3503**	1870	4676	187%	75%
Yuba, Smartville	**1840**	1044	2424	176%	76%
American, Folsom	**2589**	1282	3074	202%	84%
Cosumnes, Michigan Bar	**443**	130	363	341%	122%
Mokelumne, Pardee	**862**	469	1065	184%	81%
Stanislaus, N.Melones	**1358**	716	1710	190%	79%
Tuolumne, Don Pedro	**2283**	1230	2682	186%	85%
Merced, McClure	**1263**	633	1587	200%	80%
San Joaquin, Millerton	**2470**	1262	3355	196%	74%
Kings, Pine Flat	**2306**	1234	3113	187%	74%
Kaweah, L.Kaweah	**529**	290	814	182%	65%
Tule, Success	**133**	65	259	204%	51%
Kern, Isabella	**763**	470	1657	162%	46%
Truckee, Tahoe-Farad	**457**	272	713	168%	64%
W. Carson, Woodfords	**78**	55	135	142%	58%
E. Carson, Gardnerville	**308**	190	407	162%	76%
W.Walker, Coleville	**288**	153	330	188%	87%
E.Walker, Bridgeport	**144**	65	209	221%	69%